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PATENT
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Kim LaSelva

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Kim LaSelva

Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Keiya Ozawa et al.	Art Unit:	1634
Serial No.:	09/142,305	Examiner:	B. Sisson
Filed:	September 10, 1999	Customer No.:	21559
Title:	FUSION PROTEIN THAT IMPARTS SELECTIVE PROLIFERATION ACTIVITY		

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P.O. Box 1450
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SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the enclosed Form PTO-1449, copies of which are enclosed.

Submission of this statement is not a representation that a search has been made, nor is the inclusion of information in this statement an admission that the information is material to patentability.

09/06/2005 ZJUHR1 00000019 09142305

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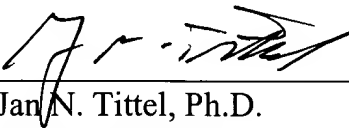
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This statement is being filed after a non-final Office action on the merits, but before the mailing of a final Office action or a Notice of Allowance. A check for \$180.00 in payment of the late submission fee set forth in 37 C.F.R. § 1.17(p) is enclosed.

If there are any additional charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: 31 August 2005



Jan N. Tittel, Ph.D.

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SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	50026/012001
	Serial No.	09/142,305
	Applicant	Keiya Ozawa et al.
	Filing Date	September 10, 1999
	Group	1634
	IDS Filed	August 31, 2005

U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

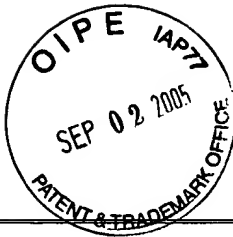
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

	Cytokines Web Cytokine Receptors Classification According to Domain Composition http://cmbi_bimu.edu_cp/cmbidata/cgf/CGF , printed April 27, 2005.
	Dobrzanski et al., "Both Products of the fosB Gene, FosB and Its Short Form, FosB/SF, Are Transcriptional Activators in Fibroblasts," Mol. Cell. Biol. 11(11): 5470-5478 (1991).
	Fukunaga et al., "Three Different mRNAs Encoding Human Granulocyte Colony-Stimulating Factor Receptor," Proc. Natl. Acad. Sci. USA 87(22): 8702-8706 (1990).
	Ibelgaufts et al., "Cytokine Receptor Families," Cytokines Online Pathfinder Encyclopedia, Revised 2002, http://www.copewithcytokines.de/cope.cgi?002595 , pp.1-4, printed April 27, 2005.
	Nakabeppu et al., "Proliferative Activation of Quiescent Rat-1A Cells by ΔFosB," Mol. Cell. Biol. 13(7): 4157-4166 (1993).
	Taga and Kishimoto, "Cytokine Receptors and Signal Transduction," FASEB J. 6(15): 3387-3396 (1992).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.



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Printed name of person mailing correspondence

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Commissioner for Patents
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Alexandria, VA 22313-1450

COMMUNICATION REGARDING
INFORMATION DISCLOSURE STATEMENT

Applicants draw the Examiner's attention to the Information Disclosure Statements ("IDSes") and Forms PTO-1449 mailed on September 19, 2002, November 7, 2002, and February 19, 2004. (Courtesy copies of these Forms PTO-1449, as filed, are enclosed.) Applicants enclose copies of the return postcards submitted with the September 19, 2002, November 7, 2002, and February 19, 2004 filings which bear the USPTO stamp indicating that the items listed on the postcard were received by the USPTO.

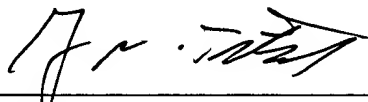
Applicants' file does not reflect that the Forms PTO-1449 which accompanied the

September 19, 2002, November 7, 2002, and February 19, 2004 IDSes were returned with an indication that the cited references were considered by the USPTO. Applicants respectfully request that the Forms PTO-1449 be returned to Applicants with such indication.

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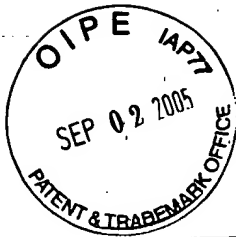
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Sheet 1 of 1

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 50026/012001		
				Serial No. 09/142,305		
				Applicant Keiya Ozawa et al.		
				Filing Date September 10, 1999		
				Group 1634		
(37 C.F.R. §1.98(b))				IDS Filed September 19, 2002		
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
	Chan et al., "A Murine Cytokine Fusion Toxin Specifically Targeting the Murine Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) Receptor on Normal Committed Bone Marrow Progenitor Cells and GM-CSF-Dependent Tumor Cells," <i>Blood</i> 86:2732-2740 (1995).					
	Ito et al., "G-CSFR-Estrogen-R Fusion cDNA as a Novel Selective Amplifier Gene for Controllable Expansion of Transduced Hematopoietic Stem Cells," (Abstract 538) <i>Blood</i> 88:137A (1996).					
	Jackson et al., "Hormone-Conditional Transformation by Fusion Proteins of c-Abl and its Transforming Variants," <i>EMBO J</i> 12:2809-2819 (1993).					
	Nagata and Fukunaga, "Granulocyte Colony-Stimulating Factor and its Receptor," <i>Prog. Growth Factor Res.</i> , 3:131-141 (1991).					
	Ozawa et al., "Development of a Novel Selective Amplifier Gene for <i>In Vivo</i> Selective Expansion of Transduced Hematopoietic Stem Cells," (Abstract 161) <i>Experimental Hematology</i> 24:1053 (1996).					
	Williams and Park, "Hematopoietic Effects of a Granulocyte-Macrophage Colony-Stimulating Factor/Interleukin-3 Fusion Protein," <i>Cancer</i> 67(Supplement):2705-2707 (1991).					
EXAMINER			DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

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PATENT

ATTORNEY DOCKET NUMBER: 50026/012001

The U.S. PTO date stamp sets forth the date of receipt of:

Applicant/Patentee: Keiya Ozawa et al.

Serial/Patent Number: 09/142,305

Filed/Issued: September 10, 1999

Title: GENE THAT IMPARTS SELECTIVE PROLIFERATIVE ACTIVITY

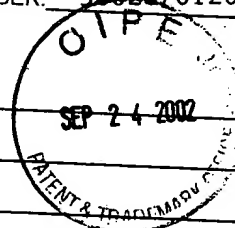
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Client/Matter Name: Shimizu

Date: 9-19-02





SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No.	50026/012001	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))				Serial No.	09/142,305	
				Applicant	Keiya Ozawa et al.	
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				Group	1634	
				IDS Filed	November 7, 2002	
U.S. PATENTS						
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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
	Boehmelt et al., "Hormone-regulated v-rel estrogen receptor fusion protein: reversible induction of cell transformation and cellular gene expression," <i>EMBO Journal</i> 11:4641-4652 (1992).					
	Burk et al., "Estrogen-dependent alterations in differentiation state of myeloid cells caused by a v-myb/estrogen receptor fusion protein," <i>EMBO Journal</i> 10:3713-3719 (1991).					
	Ito et al., "Development of a Novel Selective Amplifier Gene for Controllable Expansion of Transduced Hematopoietic Cells," <i>Blood</i> 90:3884-3892 (1997).					
	Jackson et al., "Hormone-conditional transformation by fusion proteins of c-Abl and its transforming variants," <i>EMBO Journal</i> 12:2809-2819 (1993).					
	Superti-Furga et al., "Hormone-dependent transcriptional regulation and cellular transformation by Fos-steroid receptor fusion proteins," <i>Proc. Natl. Acad. Sci. USA</i> 88:5114-5118 (1991).					
EXAMINER			DATE CONSIDERED			
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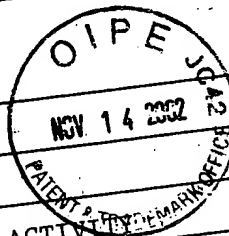
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U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
	5,686,281	Nov. 11, 1997	Roberts			
	5,747,292	May 5, 1998	Greenberg et al.			
	6,416,998	Jul. 9, 2002	O'Malley et al.			
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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
	Anderson, "Human Gene Therapy" <i>Nature</i> 392(Supp.):25-30 (1998).					
	Cheok, "Cancer Fears Cast Doubts on Future of Gene Therapy" <i>Nature</i> 421:678 (2003).					
	Cui et al., "Inhibitory Effect of a Soluble Transforming Growth Factor β Type II Receptor on the Activation of Rat Hepatic Stellate Cells in Primary Culture" <i>Journal of Hepatology</i> 39:731-737 (2003).					
	Finer et al., "kat: A High-Efficiency Retroviral Transduction System for Primary Human T Lymphocytes" <i>Blood</i> 83:43-50 (1994).					
	Juengst, "What Next for Human Gene Therapy" <i>BMJ</i> 326:1410-1411 (2003).					
	Kakuta et al., "Inhibition of B16 Melanoma Experimental Metastasis by Interferon- γ through Direct Inhibition of Cell Proliferation and Activation of Antitumour Host Mechanisms," <i>Immunology</i> 105:92-100 (2002).					
	Kmiec "Gene Therapy" <i>American Scientist</i> 87:240-247 (1999).					
	Marcinkowska and Wiedłocha "Steroid Signal Transduction Activated at the Cell Membrane: from Plants to Animals," <i>Acta Biochimica Polonica</i> 49(3):735-745 (2002).					
	Maruyama et al., "Proliferation and Erythroid Differentiation through the Cytoplasmic Domain of the Erythropoietin Receptor," <i>The Journal of Biological Chemistry</i> , 269(8):5976-5980 (1994).					
	Morgenstern and Land "Advanced Mammalian Gene Transfer: High Titre Retroviral Vectors with Multiple Drug Selection Markers and a Complementary Helper-Free Packaging Cell Line" <i>Nucleic Acids Research</i> 18:3587-3596 (1990).					
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	O'Farrell et al., "IL-10 Inhibits Macrophage Activation and Proliferation by Distinct Signaling Mechanisms: Evidence for Stat3-Dependent and -Independent Pathways," <i>The EMBO Journal</i> 17(4):1006-1018 (1998).					
	Roussel et al., "Colony-Stimulating Factor 1-Mediated Regulation of a Chimeric c-fms/v-fms Receptor Containing the v-fms-Encoded Tyrosine Kinase Domain" <i>Proc. Natl. Acad. Sci. USA</i> 85:5903-5907 (1988).					
	Verma and Somia, "Gene Therapy-Promises, Problems and Prospects," <i>Nature</i> 389:239-242 (1997).					
	Wang et al., "Yeast Two-Hybrid System Demonstrates that Estrogen Receptor Dimerization Is Ligand-Dependent <i>in Vivo</i> ," <i>The Journal of Biological Chemistry</i> , 270(40):23322-23329 (1995).					
	Wimmel et al., "Autocrine Growth Inhibition by Transforming Growth Factor β -1 (TGF β -1) in Human Neuroendocrine Tumour Cells," <i>Gut</i> 52:1308-1316 (2003).					
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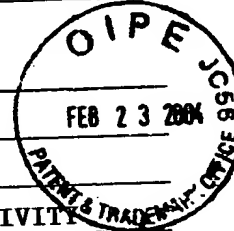
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Date: 2/19/04